

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/007,408

DATE: 12/20/2001
 TIME: 13:18:11

Input Set : A:\Seq listing.txt
 Output Set: N:\CRF3\12202001\J007408.raw

Does Not Comply
 Corrected Diskette Needed

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: WAKAMIYA, Nobutaka
 8 (ii) TITLE OF INVENTION: RECOMBINANT CONGLUTININ AND PRODUCING
 9 METHOD THEREOF

11 (iii) NUMBER OF SEQUENCES: 5

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 15 (B) STREET: 233 South Wacker Drive/6300 Sears Tower
 16 (C) CITY: Chicago
 17 (D) STATE: Illinois
 18 (E) COUNTRY: United States of America
 19 (F) ZIP: 60606-6402

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk
 23 (B) COMPUTER: IBM PC compatible
 24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

C--> 28 (A) APPLICATION NUMBER: US/10/007,408
 C--> 29 (B) FILING DATE: 08-Nov-2001

30 (C) CLASSIFICATION:

36 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: PCT/JP95/02035
 34 (B) FILING DATE: 02-OCT-1995
 37 (A) APPLICATION NUMBER: JPA - 209698
 38 (B) FILING DATE: 17-AUG-1995

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Gass, David A.
 42 (B) REGISTRATION NUMBER: 38,153
 43 (C) REFERENCE/DOCKET NUMBER: 19036/34546

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: (312) 474-6300
 47 (B) TELEFAX: (312) 474-0448

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:

53 (A) LENGTH: 351 amino acids
 54 (B) TYPE: amino acid
 55 (C) STRANDEDNESS: not relevant
 58 (D) TOPOLOGY: linear

60 (ii) MOLECULE TYPE: protein

65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

67 Ala Glu Met Thr Thr Phe Ser Gln Lys Ile Leu Ala Asn Ala Cys Thr
 68 1 5 10 15
 70 Leu Val Met Cys Ser Pro Leu Glu Ser Gly Leu Pro Gly His Asp Gly
 71 20 25 30
 73 Gln Asp Gly Arg Glu Cys Pro His Gly Glu Lys Gly Asp Pro Gly Ser

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74      35          40          45
76 Pro Gly Pro Ala Gly Arg Ala Gly Arg Pro Gly Trp Val Gly Pro Ile
77          50          55          60
79 Gly Pro Lys Gly Asp Asn Gly Phe Val Gly Glu Pro Gly Pro Lys Gly
80          65          70          75          80
82 Asp Thr Gly Pro Arg Gly Pro Pro Gly Met Pro Gly Pro Ala Gly Arg
83          85          90          95
85 Glu Gly Pro Ser Gly Lys Gln Gly Ser Met Gly Pro Pro Gly Thr Pro
86          100         105         110
88 Gly Pro Lys Gly Glu Thr Gly Pro Lys Gly Gly Val Gly Ala Pro Gly
89          115         120         125
91 Ile Gln Gly Phe Pro Gly Pro Ser Gly Leu Lys Gly Glu Lys Gly Ala
92          130         135         140
94 Pro Gly Glu Thr Gly Ala Pro Gly Arg Ala Gly Val Thr Gly Pro Ser
95          145         150         155         160
97 Gly Ala Ile Gly Pro Gln Gly Pro Ser Gly Ala Arg Gly Pro Pro Gly
98          165         170         175
100 Leu Lys Gly Asp Arg Gly Asp Pro Gly Glu Thr Gly Ala Ser Gly Glu
101          180         185         190
103 Ser Gly Leu Ala Glu Val Asn Ala Leu Lys Gln Arg Val Thr Ile Leu
104          195         200         205
106 Asp Gly His Leu Arg Arg Phe Gln Asn Ala Phe Ser Gln Tyr Lys Lys
107          210         215         220
109 Ala Val Leu Phe Pro Asp Gly Gln Ala Val Gly Glu Lys Ile Phe Lys
110          225         230         235         240
113 Thr Ala Gly Ala Val Lys Ser Tyr Ser Asp Ala Glu Gln Leu Cys Arg
114          245         250         255
116 Glu Ala Lys Gly Gln Leu Ala Ser Pro Arg Ser Ser Ala Glu Asn Glu
117          260         265         270
119 Ala Val Thr Gln Met Val Arg Ala Gln Glu Lys Asn Ala Tyr Leu Ser
120          275         280         285
122 Met Asn Asp Ile Ser Thr Glu Gly Arg Phe Thr Tyr Pro Thr Gly Glu
123          290         295         300
125 Ile Leu Val Tyr Ser Asn Trp Ala Asp Gly Glu Pro Asn Asn Ser Asp
126          305         310         315         320
128 Glu Gly Gln Pro Glu Asn Cys Val Glu Ile Phe Pro Asp Gly Lys Trp
129          325         330         335
131 Asn Asp Val Pro Cys Ser Lys Gln Leu Leu Val Ile Cys Glu Phe
132          340         345         350

```

134 (2) INFORMATION FOR SEQ ID NO: 2:

136 (i) SEQUENCE CHARACTERISTICS:

137 (A) LENGTH: 171 amino acids

138 (B) TYPE: amino acid

139 (C) STRANDEDNESS: not relevant

140 (D) TOPOLOGY: linear

142 (ii) MOLECULE TYPE: protein

147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Gly Leu Pro Gly His Asp Gly Gln Asp Gly Arg Glu Cys Pro His Gly
150 1 5 10 15

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152 Glu Lys Gly Asp Pro Gly Ser Pro Gly Pro Ala Gly Arg Ala Gly Arg
153 20 25 30
155 Pro Gly Trp Val Gly Pro Ile Gly Pro Lys Gly Asp Asn Gly Phe Val
156 35 40 45
158 Gly Glu Pro Gly Pro Lys Gly Asp Thr Gly Pro Arg Gly Pro Pro Gly
159 50 55 60
161 Met Pro Gly Pro Ala Gly Arg Glu Gly Pro Ser Gly Lys Gln Gly Ser
162 65 70 75 80
164 Met Gly Pro Pro Gly Thr Pro Gly Pro Lys Gly Glu Thr Gly Pro Lys
165 85 90 95
168 Gly Gly Val Gly Ala Pro Gly Ile Gln Gly Phe Pro Gly Pro Ser Gly
169 100 105 110
171 Leu Lys Gly Glu Lys Gly Ala Pro Gly Glu Thr Gly Ala Pro Gly Arg
172 115 120 125
174 Ala Gly Val Thr Gly Pro Ser Gly Ala Ile Gly Pro Gln Gly Pro Ser
175 130 135 140
177 Gly Ala Arg Gly Pro Pro Gly Leu Lys Gly Asp Arg Gly Asp Pro Gly
178 145 150 155 160
180 Glu Thr Gly Ala Ser Gly Glu Ser Gly Leu Ala
181 165 170

183 (2) INFORMATION FOR SEQ ID NO: 3:

185 (i) SEQUENCE CHARACTERISTICS:

186 (A) LENGTH: 3 amino acids
187 (B) TYPE: amino acid
188 (C) STRANDEDNESS: not relevant
189 (D) TOPOLOGY: linear

191 (ii) MOLECULE TYPE: peptide

194 (ix) FEATURE:

195 (A) NAME/KEY: misc.
196 (B) LOCATION: 2

197 (D) OTHER INFORMATION: /note= "2ND amino acid is a
198 protein-constituting amino acid."

200 (ix) FEATURE:

201 (A) NAME/KEY: misc.
202 (B) LOCATION: 3

203 (D) OTHER INFORMATION: /note= "3RD amino acid is a
204 protein-constituting (amino acid.) ~~amino~~ amino"

207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

209 Gly Xaa Xaa

210 1

212 (2) INFORMATION FOR SEQ ID NO: 4:

214 (i) SEQUENCE CHARACTERISTICS:

215 (A) LENGTH: 28 base pairs
216 (B) TYPE: nucleic acid
217 (C) STRANDEDNESS: single
218 (D) TOPOLOGY: linear

220 (ii) MOLECULE TYPE: other nucleic acid

221 (A) DESCRIPTION: /desc = "synthesized DNA"

226 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

W-->

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228 GGCTCGAGGG GGAGAGTGGG CTTGCAGA 28
230 (2) INFORMATION FOR SEQ ID NO: 5:
232 (i) SEQUENCE CHARACTERISTICS:
233 (A) LENGTH: 28 base pairs
234 (B) TYPE: nucleic acid
235 (C) STRANDEDNESS: single
236 (D) TOPOLOGY: linear
238 (ii) MOLECULE TYPE: other nucleic acid
239 (A) DESCRIPTION: /desc = "synthesized DNA"
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
246 GGGATTCTC AAAACTCGCA GATCACAA 28

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/007,408

DATE: 12/20/2001
TIME: 13:18:12

Input Set : A:\Seq listing.txt
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L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3